GenCore version 5.1.3
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OM protein - nucleic search, using frame_plus_p2n model

Run on: January 16, 2003, 17:00:17 ; Search time 19.4286 Seconds
(without alignments)
114.746 Million cell updates/sec

Title: US-09-856-070-18
Perfect score: 24
Sequence: 1 KEELM 5

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Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 393858 seqs, 222934149 residues

Total number of hits satisfying chosen parameters: 787716

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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	2	24	100.0	223	10	US-09-294-993B-5596	Sequence 5596, Ap
	3	24	100.0	242	9	US-09-796-692-9375	Sequence 9375, Ap
c	4	24	100.0	258	10	US-09-923-876-2221	Sequence 2221, Ap
	5	24	100.0	301	10	US-09-864-761-20697	Sequence 20697, A
	6	24	100.0	329	10	US-09-764-869-1330	Sequence 1330, Ap
	7	24	100.0	323	10	US-09-764-869-37	Sequence 37, Appl
c	8	24	100.0	362	10	US-09-969-708-477	Sequence 477, App
c	9	24	100.0	384	10	US-09-770-791-124	Sequence 124, App
	10	24	100.0	385	10	US-09-864-761-3934	Sequence 3934, Ap
c	11	24	100.0	388	10	US-09-864-761-4165	Sequence 4165, Ap
	12	24	100.0	391	9	US-09-981-876-28	Sequence 28, Appl
	13	24	100.0	404	9	US-10-079-623-23	Sequence 23, Appl
	14	24	100.0	472	10	US-09-864-761-1582	Sequence 1582, Ap
	15	24	100.0	484	10	US-09-864-761-4765	Sequence 4765, Ap
	16	24	100.0	486	10	US-09-864-761-4180	Sequence 4180, Ap
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	18	24	100.0	495	10	US-09-815-242-7314	Sequence 7314, Ap
	19	24	100.0	495	10	US-09-815-242-7476	Sequence 7476, Ap
	20	24	100.0	537	10	US-09-864-761-13260	Sequence 13260, A
	21	24	100.0	539	9	US-09-232-880-310	Sequence 310, App
	22	24	100.0	539	9	US-09-232-880-310	Sequence 310, App
	23	24	100.0	539	9	US-09-895-793-310	Sequence 310, App
	24	24	100.0	539	9	US-09-895-814-310	Sequence 310, App
	25	24	100.0	539	10	US-09-759-143-310	Sequence 310, App
	26	24	100.0	539	10	US-09-780-664-310	Sequence 310, App
	27	24	100.0	539	10	US-09-822-827-310	Sequence 310, App
c	28	24	100.0	547	10	US-09-867-701-1340	Sequence 1340, Ap
	29	24	100.0	554	10	US-09-864-761-15374	Sequence 15374, A
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	33	24	100.0	697	10	US-09-828-644-32	Sequence 32, Appl
	34	24	100.0	728	10	US-09-835-992A-53	Sequence 53, Appl
	35	24	100.0	768	9	US-09-938-842A-812	Sequence 812, App
	36	24	100.0	792	9	US-09-738-626-2623	Sequence 2623, Ap
	37	24	100.0	1014	10	US-09-974-300-994	Sequence 994, App
	38	24	100.0	1023	9	US-09-938-842A-1429	Sequence 1429, Ap
	39	24	100.0	1431	9	US-10-060-425-3	Sequence 3, Appli
	40	24	100.0	1431	9	US-10-060-425-11	Sequence 11, Appl
	41	24	100.0	1431	9	US-10-060-425-13	Sequence 13, Appl
	42	24	100.0	1449	10	US-09-804-551B-31	Sequence 31, Appl
	43	24	100.0	1452	10	US-09-969-708-275	Sequence 275, App
	44	24	100.0	1455	9	US-09-918-543-3	Sequence 3, Appli
	45	24	100.0	1455	10	US-09-769-864-10	Sequence 10, Appl

ALIGNMENTS

RESULT 1
US-09-864-761-20934
; Sequence 20934, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hansel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FO
; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
; FILE REFERENCE: Agomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30

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;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
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;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 09/608,408
;  PRIOR FILING DATE: 2000-06-30
;  PRIOR APPLICATION NUMBER: US 09/774,203
;  PRIOR FILING DATE: 2001-01-29
;  NUMBER OF SEQ ID NOS: 49117
;  SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 20934
;    LENGTH: 90
;    TYPE: DNA
;    ORGANISM: Homo sapiens
;    FEATURE:
;    OTHER INFORMATION: MAP TO AL031116.1
;    OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.8
;    OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2.1
;    OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 1.8
;    OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.9
;    OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.9
;    OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.5
;    OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL =   2
;    OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.6
;    OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2.2
;    OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.9
;    OTHER INFORMATION: EST_HUMAN HIT: AA432133.1, EVALUE 2.00e-05
US-09-864-761-20934

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Qy       1 LysGluGluLeuMet 5
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Db      23 AAAGAACAGCTCATG 37

RESULT 2
US-09-294-093B-5596
; Sequence 5596, Application US/09294093B
; Patent No. US20010051335A1
; GENERAL INFORMATION:
;  APPLICANT:       Lalqudi, Raghunath, V.
;  APPLICANT:  Ito, Laura, Y.
;  APPLICANT:  Sherman, Bradley, K.
;  TITLE OF INVENTION:  POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN TASSEL
;  FILE REFERENCE:  PL-0009 US
;  CURRENT APPLICATION NUMBER: US/09/294,093B
;  CURRENT FILING DATE:  1999-04-16
;  PRIOR APPLICATION NUMBER:  60/082,567
;  PRIOR FILING DATE:  April 21, 1998
;  NUMBER OF SEQ ID NOS:      6207
;  SOFTWARE:       PERL Program
;  SEQ ID NO 5596
;    LENGTH: 223
;    TYPE: DNA
;    ORGANISM: Zea mays
;    FEATURE:
;    NAME/KEY: misc_feature
;    OTHER INFORMATION: Incyte ID No  US20010051335A1 70035462H1
;    NAME/KEY: unsure
;    LOCATION: 58-59, 64, 100, 145
;    OTHER INFORMATION: a, t, c, g, or other
US-09-294-093B-5596

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Pred. No.:                113             Length:          223
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Best Local Similarity:    100.00%         Mismatches:      0
Query Match:              100.00%         Indels:          0
DB:                       10              Gaps:            0

US-09-856-070-18 (1-5) x US-09-294-093B-5596 (1-223)

Qy       1 LysGluGluLeuMet 5
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Db     152 AAGGAGGAGCTCATG 166

RESULT 3
US-09-796-692-9375
; Sequence 9375, Application US/09796692
; Publication No. US20020198362A1
; GENERAL INFORMATION:
;  APPLICANT: Gaiger, Alexander
;  APPLICANT:  Algate, Paul A.
;  APPLICANT:  Mannion, Jane
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DETECTION, DIAGNOSIS AND THER
;  TITLE OF INVENTION:  HEMATOLOGICAL MALIGNANCIES
;  FILE REFERENCE: 2077.001200
;  CURRENT APPLICATION NUMBER: US/09/796,692
;  CURRENT FILING DATE:  2001-03-01
;  PRIOR APPLICATION NUMBER: 60/186,126
;  PRIOR FILING DATE: 2000-03-01
;  PRIOR APPLICATION NUMBER: 60/190,479
;  PRIOR FILING DATE: 2000-03-17
;  PRIOR APPLICATION NUMBER: 60/200,545
;  PRIOR FILING DATE: 2000-04-27
;  PRIOR APPLICATION NUMBER: 60/200,303
;  PRIOR FILING DATE: 2000-04-28
;  PRIOR APPLICATION NUMBER: 60/200,779
;  PRIOR FILING DATE: 2000-04-28
;  PRIOR APPLICATION NUMBER: 60/200,999
;  PRIOR FILING DATE: 2000-05-01
;  PRIOR APPLICATION NUMBER: 60/202,084
;  PRIOR FILING DATE: 2000-05-04
;  PRIOR APPLICATION NUMBER: 60/206,201
;  PRIOR FILING DATE: 2000-05-22
;  PRIOR APPLICATION NUMBER: 60/218,950
;  PRIOR FILING DATE: 2000-07-14
;  PRIOR APPLICATION NUMBER: 60/222,903
;  PRIOR FILING DATE: 2000-08-03
;  PRIOR APPLICATION NUMBER: 60/223,416
;  PRIOR FILING DATE: 2000-08-04
;  PRIOR APPLICATION NUMBER: 60/223,378
;  PRIOR FILING DATE: 2000-08-07
;  NUMBER OF SEQ ID NOS: 9597
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 9375
;    LENGTH: 242
;    TYPE: DNA
;    ORGANISM: Homo sapiens
US-09-796-692-9375

Alignment Scores:
Pred. No.:                124             Length:          242
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Score:                  24.00           Matches:        5
Percent Similarity:     100.00%         Conservative:   0
Best Local Similarity:  100.00%         Mismatches:     0
Query Match:            100.00%         Indels:         0
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US-09-856-070-18 (1-5) x US-09-796-692-9375 (1-242)

Qy      1 LysGluGluLeuMet 5
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Db    101 AAAGAGGAACTGATG 115

RESULT 4
US-09-923-876-2221/c
; Sequence 2221, Application US/09923876
; Patent No. US20020013958A1
; GENERAL INFORMATION:
;  APPLICANT: Lalgudi, Raghunath V.
;  APPLICANT:  Kamigaki, Laura Y. (Ito)
;  APPLICANT:  Sherman, Bradley K.
;  TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN SEEDLING
;  FILE REFERENCE: PI-0012-1 CON
;  CURRENT APPLICATION NUMBER: US/09/923,876
;  CURRENT FILING DATE:  2001-08-06
;  PRIOR APPLICATION NUMBER: 09/298,329
;  PRIOR FILING DATE: 1999-04-21
;  PRIOR APPLICATION NUMBER: 60/085,331
;  PRIOR FILING DATE: 1998-05-05
;  NUMBER OF SEQ ID NOS: 6332
;  SOFTWARE: PERL Program
; SEQ ID NO 2221
;   LENGTH: 258
;   TYPE: DNA
;   ORGANISM: Zea mays
;   FEATURE:
;   NAME/KEY: misc_feature
;   OTHER INFORMATION: Incyte ID No: US20020013958A1 7001+0245H1
;   NAME/KEY: unsure
;   LOCATION: 112
;   OTHER INFORMATION: a, t, c, g, or other
US-09-923-876-2221

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Score:                  24.00           Matches:        5
Percent Similarity:     100.00%         Conservative:   0
Best Local Similarity:  100.00%         Mismatches:     0
Query Match:            100.00%         Indels:         0
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US-09-856-070-18 (1-5) x US-09-923-876-2221 (1-258)

Qy      1 LysGluGluLeuMet 5
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Db     83 AAAGAGGAGCTGATG 69

RESULT 5
US-09-864-761-20697
; Sequence 20697, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
;  APPLICANT: Penn, Sharron G.
;  APPLICANT:  Rank, David R.
;  APPLICANT:  Hanzel, David K.
;  APPLICANT:  Chen, Wensheng
;  TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
;  TITLE OF INVENTION:  GENE EXPRESSION ANALYSIS BY MICROARRAY
;  FILE REFERENCE: Aeomica-X-1
;  CURRENT APPLICATION NUMBER: US/09/864,761
;  CURRENT FILING DATE:  2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/180,312
;  PRIOR FILING DATE: 2000-02-04
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 09/642,366
;  PRIOR FILING DATE: 2000-08-03
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
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;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 09/608,408
;  PRIOR FILING DATE: 2000-06-30
;  PRIOR APPLICATION NUMBER: US 09/774,203
;  PRIOR FILING DATE: 2001-01-29
;  NUMBER OF SEQ ID NOS: 49117
;  SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 20697
;   LENGTH: 301
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: MAP TO AL034350.2
;   OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.3
;   OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2.2
;   OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.6
;   OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 3.3
;   OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 1.6
;   OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.5
;   OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL =   2
;   OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.4
;   OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.8
;   OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.2
;   OTHER INFORMATION: NT HIT: AF149773.1, EVALUE 1.00e-114
;   OTHER INFORMATION: EST_HUMAN HIT: BE150340.1, EVALUE 1.00e-112
;   OTHER INFORMATION: SWISSPROT HIT: P10272, EVALUE 5.00e-26
US-09-864-761-20697

Alignment Scores:
Pred. No.:              157             Length:         301
Score:                  24.00           Matches:        5
Percent Similarity:     100.00%         Conservative:   0
Best Local Similarity:  100.00%         Mismatches:     0
Query Match:            100.00%         Indels:         0
DB:                     10              Gaps:           0

US-09-856-070-18 (1-5) x US-09-864-761-20697 (1-301)

Qy      1 LysGluGluLeuMet 5
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Db    132 AAAGAGGAATTAATG 146

RESULT 6
US-09-764-869-1330
; Sequence 1330, Application US/09764869
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; Patent No. US20020061521A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PC007
;  CURRENT APPLICATION NUMBER: US/09/764,869
;  CURRENT FILING DATE:  2001-01-17
;  Prior application data removed - refer to PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 2442
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1330
;   LENGTH: 320
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-764-869-1330

Alignment Scores:
Pred. No.:                168             Length:         320
Score:                    24.00           Matches:        5
Percent Similarity:       100.00%         Conservative:   0
Best Local Similarity:    100.00%         Mismatches:     0
Query Match:              100.00%         Indels:         0
DB:                       10              Gaps:           0

US-09-856-070-18 (1-5) x US-09-764-869-1330 (1-320)

Qy       1 LysGluGluLeuMet 5
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Db     141 AAAGAAGAGTTAATG 155

RESULT 7
US-09-764-869-37
; Sequence 37, Application US/09764869
; Patent No. US20020061521A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PC007
;  CURRENT APPLICATION NUMBER: US/09/764,869
;  CURRENT FILING DATE:  2001-01-17
;  Prior application data removed - refer to PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 2442
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 37
;   LENGTH: 323
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (31)
;   OTHER INFORMATION: n equals a,t,g, or c
;   NAME/KEY: SITE
;   LOCATION: (294)
;   OTHER INFORMATION: n equals a,t,g, or c
;   NAME/KEY: SITE
;   LOCATION: (321)
;   OTHER INFORMATION: n equals a,t,g, or c
US-09-764-869-37

Alignment Scores:
Pred. No.:                170             Length:         323
Score:                    24.00           Matches:        5
Percent Similarity:       100.00%         Conservative:   0
Best Local Similarity:    100.00%         Mismatches:     0
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DB:                       10              Gaps:           0

US-09-856-070-18 (1-5) x US-09-764-869-37 (1-323)

Qy       1 LysGluGluLeuMet 5
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Db     141 AAAGAAGAGTTAATG 155
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RESULT 8
US-09-969-708-477/c
; Sequence 477, Application US/09969708
; Patent No. US20020102532A1
; GENERAL INFORMATION:
;  APPLICANT: Augustus, Meena
;  TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Sign
;  TITLE OF INVENTION:  Sets
;  FILE REFERENCE: 689290-70
;  CURRENT APPLICATION NUMBER: US/09/969,708
;  CURRENT FILING DATE:  2001-10-03
;  PRIOR APPLICATION NUMBER: US/60/237,606
;  PRIOR FILING DATE: 2000-10-03
;  PRIOR APPLICATION NUMBER: US/60/237,608
;  PRIOR FILING DATE: 2000-10-03
;  PRIOR APPLICATION NUMBER: US/60/237,425
;  PRIOR FILING DATE: 2000-10-03
;  NUMBER OF SEQ ID NOS: 658
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 477
;   LENGTH: 362
;   TYPE: DNA
;   ORGANISM: Homosapiens
US-09-969-708-477

Alignment Scores:
Pred. No.:                193             Length:         362
Score:                    24.00           Matches:        5
Percent Similarity:       100.00%         Conservative:   0
Best Local Similarity:    100.00%         Mismatches:     0
Query Match:              100.00%         Indels:         0
DB:                       10              Gaps:           0

US-09-856-070-18 (1-5) x US-09-969-708-477 (1-362)

Qy       1 LysGluGluLeuMet 5
           |||||||||||||||
Db     211 AAGGAAGAATTGATG 197

RESULT 9
US-09-770-791-124/c
; Sequence 124, Application US/09770791
; Patent No. US20020062014A1
; GENERAL INFORMATION:
;  APPLICANT: Gorlach, Jorn
;  APPLICANT:  An, Yong-Qiang
;  APPLICANT:  Hamilton, Carol M.
;  APPLICANT:  Price, Jennifer L.
;  APPLICANT:  Raines, Tracy M.
;  APPLICANT:  Yu, Yanq
;  APPLICANT:  Rameaka, Joshua G.
;  APPLICANT:  Page, Amy
;  APPLICANT:  Matthew, Abraham V.
;  APPLICANT:  Ledford, Brooke L.
;  APPLICANT:  Woessner, Jeffrey P.
;  APPLICANT:  Haas, William David
;  APPLICANT:  Garcia, Carlos A.
;  APPLICANT:  Kricker, Maja
;  APPLICANT:  Slader, Ted
;  APPLICANT:  Davis, Keith R.
;  APPLICANT:  Allen, Keith
;  APPLICANT:  Hoffman, Neil
;  APPLICANT:  Hurban, Patrick
;  TITLE OF INVENTION: Expressed Sequences of Arabidopsis
;  TITLE OF INVENTION:  thaliana
;  FILE REFERENCE: 2029 (PARA-018PRV)
;  CURRENT APPLICATION NUMBER: US/09/770,791
;  CURRENT FILING DATE:  2001-01-26
;  PRIOR APPLICATION NUMBER: 60/178,480
;  PRIOR FILING DATE: 2000-01-27
;  NUMBER OF SEQ ID NOS: 999
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 124
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;   LENGTH: 384
;   TYPE: DNA
;   ORGANISM: Arabidopsis thaliana
US-09-770-791-124

Alignment Scores:
Pred. No.:                205             Length:         384
Score:                    24.00           Matches:        5
Percent Similarity:       100.00%         Conservative:   0
Best Local Similarity:    100.00%         Mismatches:     0
Query Match:              100.00%         Indels:         0
DB:                       10              Gaps:           0

US-09-856-070-18 (1-5) x US-09-770-791-124 (1-384)

Qy       1 LysGluGluLeuMet 5
           |||||||||||||||
Db     327 AAGGAAGAGCTAATG 313

RESULT 10
US-09-864-761-3934
; Sequence 3934, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
;  APPLICANT: Penn, Sharron G.
;  APPLICANT:  Rank, David R.
;  APPLICANT:  Hanzel, David K.
;  APPLICANT:  Chen, Wensheng
;  TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
;  TITLE OF INVENTION:  GENE EXPRESSION ANALYSIS BY MICROARRAY
;  FILE REFERENCE: Aeomica-X-1
;  CURRENT APPLICATION NUMBER: US/09/864,761
;  CURRENT FILING DATE:  2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/180,312
;  PRIOR FILING DATE: 2000-02-04
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 09/632,366
;  PRIOR FILING DATE: 2000-08-03
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 09/608,408
;  PRIOR FILING DATE: 2000-06-30
;  PRIOR APPLICATION NUMBER: US 09/774,203
;  PRIOR FILING DATE: 2001-01-29
;  NUMBER OF SEQ ID NOS: 49117
;  SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 3934
;   LENGTH: 385
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: MAP TO AL034350.2
;   OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.3
;   OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2.2
;   OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.6
;   OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 3.3
;   OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 1.6
;   OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.5
;   OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL =  2
;   OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.4
;   OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.8
;   OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.2
US-09-864-761-3934

Alignment Scores:
Pred. No.:                206             Length:         385
Score:                    24.00           Matches:        5
Percent Similarity:       100.00%         Conservative:   0
Best Local Similarity:    100.00%         Mismatches:     0
Query Match:              100.00%         Indels:         0
DB:                       10              Gaps:           0

US-09-856-070-18 (1-5) x US-09-864-761-3934 (1-385)

Qy       1 LysGluGluLeuMet 5
           |||||||||||||||
Db     349 AAAGAGGAATTAATG 363

RESULT 11
US-09-864-761-4165/c
; Sequence 4165, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
;  APPLICANT: Penn, Sharron G.
;  APPLICANT:  Rank, David R.
;  APPLICANT:  Hanzel, David K.
;  APPLICANT:  Chen, Wensheng
;  TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FO
;  TITLE OF INVENTION:  GENE EXPRESSION ANALYSIS BY MICROARRAY
;  FILE REFERENCE: Aeomica-X-1
;  CURRENT APPLICATION NUMBER: US/09/864,761
;  CURRENT FILING DATE:  2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/180,312
;  PRIOR FILING DATE: 2000-02-04
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 09/632,366
;  PRIOR FILING DATE: 2000-08-03
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
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;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 09/608,408
;  PRIOR FILING DATE: 2000-06-30
;  PRIOR APPLICATION NUMBER: US 09/774,203
;  PRIOR FILING DATE: 2001-01-29
;  NUMBER OF SEQ ID NOS: 49117
;  SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 4165
;   LENGTH: 388
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: MAP TO AC009646.2
;   OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2.3
;   OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.2
;   OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.8
;   OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.7
;   OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2.4
;   OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2.6
;   OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.9
;   OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 2.3
;   OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 2.1
;   OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2.6
US-09-864-761-4165

Alignment Scores:
Pred. No.:                  208          Length:          388
Score:                      24.00        Matches:         5
Percent Similarity:         100.00%      Conservative:    0
Best Local Similarity:      100.00%      Mismatches:      0
Query Match:                100.00%      Indels:          0
DB:                         10           Gaps:            0

US-09-856-070-18 (1-5) x US-09-864-761-4165 (1-388)

QY       1 LysGluGluLeuMet 5
           |||||||||||||||||
Db     247 AAGGAAGAGCTCATG 233

RESULT 12
US-09-981-876-28
; Sequence 28, Application US/09981876
; Patent No. US20020164669A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: 70 Human Secreted Proteins
;  FILE REFERENCE: PZ001P1
;  CURRENT APPLICATION NUMBER: US/09/981,876
;  CURRENT FILING DATE:  2001-10-19
;  PRIOR APPLICATION NUMBER: 09/148,545
;  PRIOR FILING DATE: 1998-09-04
;  PRIOR APPLICATION NUMBER: 60/040,162
;  PRIOR FILING DATE: 1997-03-07
;  PRIOR APPLICATION NUMBER: 60/040,333
;  PRIOR FILING DATE: 1997-03-07
;  PRIOR APPLICATION NUMBER: 60/038,621
;  PRIOR FILING DATE: 1997-03-07
;  PRIOR APPLICATION NUMBER: 60/040,161
;  PRIOR FILING DATE: 1997-03-07
;  PRIOR APPLICATION NUMBER: 60/040,626
;  PRIOR FILING DATE: 1997-03-07
;  PRIOR APPLICATION NUMBER: 60/040,334
;  PRIOR FILING DATE: 1997-03-07
;  PRIOR APPLICATION NUMBER: 60/040,336
;  PRIOR FILING DATE: 1997-03-07
;  PRIOR APPLICATION NUMBER: 60/040,163
;  PRIOR FILING DATE: 1997-03-07
;  PRIOR APPLICATION NUMBER: 60/047,615
;  PRIOR FILING DATE: 1997-05-23
;  PRIOR APPLICATION NUMBER: 60/047,600
;  PRIOR FILING DATE: 1997-05-23
;  PRIOR APPLICATION NUMBER: 60/047,597
;  PRIOR FILING DATE: 1997-05-23
;  PRIOR APPLICATION NUMBER: 60/047,502
;  PRIOR FILING DATE: 1997-05-23
;  PRIOR APPLICATION NUMBER: 60/047,633
;  PRIOR FILING DATE: 1997-05-23
;  PRIOR APPLICATION NUMBER: 60/047,583
;  PRIOR FILING DATE: 1997-05-23
;  PRIOR APPLICATION NUMBER: 60/047,617
;  PRIOR FILING DATE: 1997-05-23
;  PRIOR APPLICATION NUMBER: 60/047,618
;  PRIOR FILING DATE: 1997-05-23
;  PRIOR APPLICATION NUMBER: 60/047,503
;  PRIOR FILING DATE: 1997-05-23
;  PRIOR APPLICATION NUMBER: 60/047,592
;  PRIOR FILING DATE: 1997-05-23
;  PRIOR APPLICATION NUMBER: 60/047,581
;  PRIOR FILING DATE: 1997-05-23
;  PRIOR APPLICATION NUMBER: 60/047,584
;  PRIOR FILING DATE: 1997-05-23
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;  PRIOR FILING DATE: 1997-05-23
;  PRIOR APPLICATION NUMBER: 60/047,587
;  PRIOR FILING DATE: 1997-05-23
;  PRIOR APPLICATION NUMBER: 60/047,492
;  PRIOR FILING DATE: 1997-05-23
;  PRIOR APPLICATION NUMBER: 60/047,598
;  PRIOR FILING DATE: 1997-05-23
;  PRIOR APPLICATION NUMBER: 60/047,613
;  PRIOR FILING DATE: 1997-05-23
;  PRIOR APPLICATION NUMBER: 60/047,582
;  PRIOR FILING DATE: 1997-05-23
;  PRIOR APPLICATION NUMBER: 60/047,596
;  PRIOR FILING DATE: 1997-05-23
;  PRIOR APPLICATION NUMBER: 60/047,612
;  PRIOR FILING DATE: 1997-05-23
;  PRIOR APPLICATION NUMBER: 60/047,632
;  PRIOR FILING DATE: 1997-05-23
;  PRIOR APPLICATION NUMBER: 60/047,601
;  PRIOR FILING DATE: 1997-05-23
;  PRIOR APPLICATION NUMBER: 60/043,580
;  PRIOR FILING DATE: 1997-04-11
;  PRIOR APPLICATION NUMBER: 60/043,568
;  PRIOR FILING DATE: 1997-04-11
;  PRIOR APPLICATION NUMBER: 60/043,314
;  PRIOR FILING DATE: 1997-04-11
;  PRIOR APPLICATION NUMBER: 60/043,569
;  PRIOR FILING DATE: 1997-04-11
;  PRIOR APPLICATION NUMBER: 60/043,311
;  PRIOR FILING DATE: 1997-04-11
;  PRIOR APPLICATION NUMBER: 60/043,671
;  PRIOR FILING DATE: 1997-04-11
;  PRIOR APPLICATION NUMBER: 60/043,674
;  PRIOR FILING DATE: 1997-04-11
;  PRIOR APPLICATION NUMBER: 60/043,669
;  PRIOR FILING DATE: 1997-04-11
;  PRIOR APPLICATION NUMBER: 60/043,312
;  PRIOR FILING DATE: 1997-04-11
;  PRIOR APPLICATION NUMBER: 60/043,313
;  PRIOR FILING DATE: 1997-04-11
;  PRIOR APPLICATION NUMBER: 60/043,672
;  PRIOR FILING DATE: 1997-04-11
;  PRIOR APPLICATION NUMBER: 60/043,315
;  PRIOR FILING DATE: 1997-04-11
;  PRIOR APPLICATION NUMBER: 60/048,974
;  PRIOR FILING DATE: 1997-06-06
;  PRIOR APPLICATION NUMBER: 60/056,886
;  PRIOR FILING DATE: 1997-08-22
;  PRIOR APPLICATION NUMBER: 60/056,877
;  PRIOR FILING DATE: 1997-08-22
;  PRIOR APPLICATION NUMBER: 60/056,889
;  PRIOR FILING DATE: 1997-08-22
;  PRIOR APPLICATION NUMBER: 60/056,893
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; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,630
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,878
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,662
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,872
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,882
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,637
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,904
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,888
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,879
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,880
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,894
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,911
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,636
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,874
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,910
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,864
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,631
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,845
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,892
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/047,595
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/057,761
; PRIOR FILING DATE: 05-Sep-1997
; PRIOR APPLICATION NUMBER: 60/047,599
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,588
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,585
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,586
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,590
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,594
; PRIOR FILING DATE: 1997-05-23
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; PRIOR APPLICATION NUMBER: 60/047,593
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,614
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/043,578
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/043,576
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/047,501
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/043,670
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/056,632
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,664
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,876
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; PRIOR APPLICATION NUMBER: 60/056,881
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,909
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,875
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,862
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,887
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,908
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/048,964
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/057,650
; PRIOR FILING DATE: 1997-09-05
; PRIOR APPLICATION NUMBER: 60/056,884
; PRIOR FILING DATE: 1997-08-22
; NUMBER OF SEQ ID NOS: 280
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 28
; LENGTH: 391

Alignment Scores:

Pred. No.:	210	Length:	391
Score:	24.00	Matches:	5
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	9	Gaps:	0

US-09-856-070-18 (1-5) x US-09-981-876-28 (1-391)

```
Qy       1 LysGluGluLeuMet 5
           |||||||||||||||
Db       7 AAAGAGGAACTGATG 21
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RESULT 13
US-10-079-623-23
; Sequence 23, Application US/10079623
; Patent No. US20020169302A1
; GENERAL INFORMATION:
; APPLICANT: Havukkala, Ilkka J.
; APPLICANT: Glenn, Matthew
; APPLICANT: Grigor, Murray R.
; APPLICANT: Molenaar, Adrian J.
; TITLE OF INVENTION: Compositions isolated from bovine
; TITLE OF INVENTION: mammary gland and methods for their use.
; FILE REFERENCE: 11000.1044c3
; CURRENT APPLICATION NUMBER: US/10/079,623
; CURRENT FILING DATE: 2002-02-19
; NUMBER OF SEQ ID NOS: 370
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 23
; LENGTH: 404
; TYPE: DNA
; ORGANISM: Bovine
US-10-079-623-23

Alignment Scores:

Pred. No.:	217	Length:	404
Score:	24.00	Matches:	5
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	9	Gaps:	0

US-09-856-070-18 (1-5) x US-10-079-623-23 (1-404)

```
Qy       1 LysGluGluLeuMet 5
           |||||||||||||||
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Db     177 AAGGAAGAACTCATG 191

RESULT 14
US-09-864-761-4582
; Sequence 4582, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
;  APPLICANT: Penn, Sharron G.
;  APPLICANT:  Rank, David R.
;  APPLICANT:  Hanzel, David K.
;  APPLICANT:  Chen, Wensheng
;  TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
;  TITLE OF INVENTION:  GENE EXPRESSION ANALYSIS BY MICROARRAY
;  FILE REFERENCE: Aeomica-X-1
;  CURRENT APPLICATION NUMBER: US/09/864,761
;  CURRENT FILING DATE:  2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/180,312
;  PRIOR FILING DATE: 2000-02-04
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 09/632,366
;  PRIOR FILING DATE: 2000-08-03
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 09/608,408
;  PRIOR FILING DATE: 2000-06-30
;  PRIOR APPLICATION NUMBER: US 09/774,203
;  PRIOR FILING DATE: 2001-01-29
;  NUMBER OF SEQ ID NOS: 49117
;  SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 4582
;   LENGTH: 472
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
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;   OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL -  23
;   OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL - 0.91
;   OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL -   1
;   OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL - 0.93
US-09-864-761-4582

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US-09-856-070-18 (1-5) x US-09-864-761-4582 (1-472)

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RESULT 15
US-09-864-761-4765
; Sequence 4765, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
;  APPLICANT: Penn, Sharron G.
;  APPLICANT:  Rank, David R.
;  APPLICANT:  Hanzel, David K.
;  APPLICANT:  Chen, Wensheng
;  TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FO
;  TITLE OF INVENTION:  GENE EXPRESSION ANALYSIS BY MICROARRAY
;  FILE REFERENCE: Aeomica-X-1
;  CURRENT APPLICATION NUMBER: US/09/864,761
;  CURRENT FILING DATE:  2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/180,312
;  PRIOR FILING DATE: 2000-02-04
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 09/632,366
;  PRIOR FILING DATE: 2000-08-03
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
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;  PRIOR APPLICATION NUMBER: PCT/US01/00665
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;  PRIOR APPLICATION NUMBER: PCT/US01/00668
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;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 09/608,408
;  PRIOR FILING DATE: 2000-06-30
;  PRIOR APPLICATION NUMBER: US 09/774,203
;  PRIOR FILING DATE: 2001-01-29
;  NUMBER OF SEQ ID NOS: 49117
;  SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 4765
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;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: MAP TO AC008070.2
;   OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL -   2
;   OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL - 0.96
US-09-864-761-4765

Alignment Scores:
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US-09-856-070-18 (1-5) x US-09-864-761-4765 (1-484)

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Search completed: January 16, 2003, 21:46:03
Job time : 20.4286 secs